## **EAST Search History**

| Ref# | Hits   | Search Query   | DBs  | Default<br>Operator | Plurals | Time Stamp          |
|------|--------|--|--|---------------------|---------|---------------------|
| L1   | 19     | (US-20080148500-\$). did. or (US-4939797-\$ or US-4188673-\$ or US-6899285-\$ or US-6848124-\$ or US-5251343-\$ or US-6393629-\$ or US-4391005-\$ or US-4392860-\$ or US-6971588-\$ or US-6367098-\$ or US-6367097-\$ or US-6301723-\$ or US-4271541-\$ or US-4193870-\$).did. | US-PGPUB;<br>USPAT                                 | OR                  | O       | 2009/03/10<br>14:54 |
| L2   | 1307   | ram adj stroke   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR                  | ON      | 2009/03/10<br>14:54 |
| L3   | 1      | 1 and 2  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR                  | ON      | 2009/03/10<br>14:54 |
| L4   | 911543 | gradual\$3   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR                  | ON      | 2009/03/10<br>14:54 |
| L5   | 1      | 1 and 4  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR                  | ON      | 2009/03/10<br>14:54 |
| L7   | 1      | ("4193870").PN.  | USPAT; USOCR                                       | OR                  | OFF     | 2009/03/10<br>15:07 |
| L8   | 372    | (239/206).OCLS.  | USPAT; USOCR                                       | OR                  | OFF     | 2009/03/10<br>15:17 |
| L9   | 386    | (239/204).CCLS.  | USPAT; USOCR                                       | OR                  | OFF     | 2009/03/10<br>15:18 |
| S1   | 1      | "10599300"   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR                  | ON      | 2009/03/09<br>15:03 |

| S2         | 33      | ((JOSE) near2<br>(RIBEIRO)).INV.   | US-PGPUB;<br>USPAT; USOCR | OR | ON  | 2009/03/09<br>15:03 |
|------------|---------|--|---------------------------|----|-----|---------------------|
| S3         | 2       | (("4188673") or<br>("4939797")).PN.  | USPAT; USOCR              | OR | OFF | 2009/03/09<br>15:05 |
| S4         | 2       | (("5251343") or<br>("4212088") or<br>("4212088")).PN.  | USPAT; USOCR              | OR | OFF | 2009/03/09<br>15:06 |
| <b>S</b> 5 | 1       | ("4212088").PN.  | USPAT; USOCR              | OR | OFF | 2009/03/09<br>15:10 |
| <b>S</b> 6 | 43      | ("2509076"  <br>"2924174"  <br>"3117724"  <br>"3408006"  <br>"3449772"  <br>"3506489"  <br>"3675252"  <br>"3782630").PN. OR<br>("4212088").URPN.   | US-PGPUB;<br>USPAT; USOCR | OR | ON  | 2009/03/09<br>15:22 |
| S7         | 4704414 | (precede adj<br>closure) with<br>plurality of control<br>valves  | US-PGPUB;<br>USPAT; USOCR | OR | ON  | 2009/03/09<br>15:25 |
| S8         | 0       | (precede adj<br>closure) with<br>"plurality of control<br>valves"  | US-PGPUB;<br>USPAT; USOCR | OR | ON  | 2009/03/09<br>15:25 |
| S9         | 60      | ("1821579"   "1964259"   "2214852"   "2545745"   "3237866"   "3247968"   "3247969"   "3449772"   "3486623"   "3506489"   "3515351"   "3521304"   "3675252"   "3765608"   "3955764"   "4114206"   "4188673"   "4193870"   "4195371"   "4202499"   "4202499"   "4212088"   "4271541"   "4322860"   "4347979" | US-PGPUB;<br>USPAT; USOCR | OR | ON  | 2009/03/09          |

|     |       | "4371994"   "4391005"   "4462546"   "4466142"   "4471908"   "4520514"   "458024"   "4592379"   "4939797"   "5135579"   "5251343"   "5826797"   "6029907"   "6085995"   "6182909"   "6337862"   "6301723"   "6397098"   "6393629"   "6438766").PN. OR ("6848124").URPN. |                           |    |    |                     |
|-----|-------|--|---------------------------|----|----|---------------------|
| S10 | 47502 | sequencer  | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2009/03/09<br>15:38 |
| S11 | 324   | 4/490.ccls.  | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2009/03/09<br>15:51 |

## 3/10/2009 3:23:20 PM

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